

CURRICULUM VITAE

Nishanth S

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Career Objective:

To gain a dynamic and challenging role in the work field that will offer the best opportunity for further development of my abilities, skills and knowledge in an established firm with long term career growth possibilities.

Company profile and years of experience:

TPM/TQM, ISO/TS16949 awarded company, which is a leading global automotive systems supplier in India. **Delphi – TVS Technologies**, is a joint venture between Delphi Corporation, USA and T.V.Sundaram Iyengar & Sons, India manufacturing Diesel Fuel injection systems, invested over 400 Cores for this project. It has got all latest manufacturing processes / systems in one place and handling highly precision automobile components.

- Four years of experience in Heat treatment, Metallurgical lab

Roles & Responsibility:

- Quality control of Raw material, heat treated parts, plastic and rubber materials
- Involved in Localisation and cost saving projects
- Material and Heat treatment process development
- Contamination and failure analysis in SEM
- Quality assurance for Low Pressure Carburising process
- Conduct Salt Spray test for Coating life measurement Zn & Zn-Ni Coating
- Performing SMAT test occasionally to qualify the wear resistance for DLC coated part
- Furnace validation by performing Temperature Uniformity Survey
- Heat treatment and surface treatment process qualification
- Responsible for Internal calibration of equipment's.

Equipment's handled:

- Hardness testers (Macro Vickers, Micro Vickers and Rockwell hardness tester)
- Metallurgical microscope
- Stereo zoom microscope
- Scanning electron microscope and EDAX analyser
- Optical emission spectrometer
- Salt spray chamber
- Eddy current sorter
- Viscometer
- Melting point Apparatus
- Muffle furnace and Jominy End Quench setup

Technical Skills:

- Knowledge on Low pressure Carburising, Vacuum hardening, SQF, Sub-zero and tempering furnaces.
- Expert in operation of Scanning electron microscope and EDAX
- Knowledge on Surface treatment like Zinc calcium Phosphating and Blackening processes
- Knowledge on Non Destructive Testing – Eddy Current and Ultrasonic Testing
- Knowledge on Metal microstructures

Key Achievements:

- Installed Eddy current sorter, Muffle furnace and Jominy End Quench setup.
- Cost saving by measuring Hardness and Case depth without destructing Samples by Eddy Current Sorter.

Educational Details:

Course	Institution	Board/University	Year of Completion	Marks%/CGPA
X	Malco Vidyalaya Matriculation Higher Secondary School , Mettur	Matriculation	2009	86.4
XII	Malco Vidyalaya Matriculation Higher Secondary School , Mettur	State Board	2011	94.58
BE (Metallurgy)	PSG College of Technology, Coimbatore	Anna University, Coimbatore	2015	8.12*

Key Strength:

- Experience in using excel spread sheets & power point presentations
- Flexibility & adaptability in working
- Hard Worker

Trainings underwent:

- Training on Nano Indentation testing, Scratch testing, Calotest of DLC coated parts conducted by Anton Paar, Gurgaon, New Delhi
- Underwent In-plant training at JSW, Salem.

Development Projects Involved:

- Performing Metallurgical Inspection and NDT – Ultrasonic Testing & Magnetic Particle Inspection of Raw Materials at Steel mill during development
- Developed Forging process at Supplier end for grades - 20NiCrMoS2, 16MnCrS5, 40MnSiV6SPb
- Carbonitriding, Carburising & Through Hardening for child parts in SQF
- Establishment of Zn Phosphating for cold forged component
- Heat Treatment Specification sign off, Technical Delivery condition, Raw material Specification sign off

Personal Particulars:

Father name	:	Mr. K.Senthilkumar
Mother name	:	Mrs. S.Tamilarasi
Date of Birth & Age	:	08-12-1993 & 26 years
Sex	:	Male
Marital Status	:	Single
Languages known	:	Tamil and English.
Address for Communication	:	No.7/170, Soliyur, M.Kalipatti(po), Mecheri(via), Mettur(tk), salem-636453
Blood Group	:	B +ve
Hobbies	:	Playing chess, solving rubix cube

Declaration:

I hereby declare that all information's furnished above are true to the best of my knowledge and belief. I believe that my skills enable me to take up the responsibility in your concern.

Place: Chennai

Yours faithfully,

Date:

(Nishanth S)